

WE CLAIM:

1. A pump attachment for a container defining a neck, comprising:  
a body defining an elongate chamber having a first end, a second end and an interior wall extending between said first end and said second end;  
a coupler sized and shaped to secure said body to a neck of a container;  
a shaft extending through an opening in said first end of said chamber, said shaft defining an internal flow channel;  
a one-piece piston reciprocally mounted within said chamber, said piston defining an inner annular surface surrounding said shaft and an upper outer annular surface sized and shaped to form a sealing engagement with said interior wall of said body and a lower outer annular surface sized and shaped to form a sealing engagement with said interior wall of said body, said piston separating said chamber into an upper portion above said piston and a lower portion below said piston;  
an inlet valve at said second end of said body, configured to permit the flow of fluid into said chamber and restrict the flow of fluid out of said chamber; and  
a biasing member between said piston and said first end of said chamber, wherein said attachment further defines a first sealing surface substantially fixed with respect to said piston and a second sealing surface substantially fixed with respect to said shaft, said first sealing surface and said second sealing surface having a first position wherein said first sealing surface and said second sealing surface cooperate to prevent the flow of liquid between said piston and said shaft and a second position wherein said first sealing surface and said second sealing surface permit the flow of liquid between said piston and said shaft.
2. The attachment of Claim 1, wherein said upper outer annular surface is defined by an upper lip adapted to flex outward in response to downward pressure and said lower outer annular surface is defined by a lower lip adapted to flex outward in response to upward pressure.
3. The attachment of Claim 2, wherein said piston further comprises an inwardly tapered seat, which defines said first sealing surface.
4. The attachment of Claim 3, wherein said attachment further comprises an O-ring mounted on said shaft, which defines said second sealing surface.

5. The attachment of Claim 5, wherein said attachment further comprises a spray nozzle communicating with said internal flow channel.
6. The attachment of Claim 5, wherein said attachment further comprises an actuator for selectively preventing the flow of fluid through said spray nozzle.
7. The attachment of Claim 6, wherein said attachment further comprises a handle secured to said shaft.
8. The attachment of Claim 7, wherein said attachment further comprises a latch movable between a first location wherein said latch generally prevents said shaft from being drawn through said first end of said body and a second location wherein said latch generally permits said shaft from being drawn through said first end of said body.
9. The attachment of Claim 8, wherein said attachment further comprises a spray nozzle communicating with said internal flow channel.
10. A pump attachment for a container defining a neck, comprising:
  - a body defining an elongate chamber having a first end, a second end and an interior wall extending between said first end and said second end;
  - a coupler sized and shaped to secure said body to a neck of a container;
  - a shaft extending through an opening in said first end of said chamber, said shaft defining an internal flow channel;
  - a handle integrally formed with said shaft so as to form a single piece;
  - a piston reciprocally mounted within said chamber, said piston defining an inner annular surface surrounding said shaft and an outer annular surface sized and shaped to form a sealing engagement with said interior wall of said body, said piston separating said chamber into an upper portion above said piston and a lower portion below said piston;
  - an inlet valve at said second end of said body, configured to permit the flow of fluid into said chamber and restrict the flow of fluid out of said chamber; and
  - a biasing member between said piston and said first end of said chamber, wherein said attachment further defines a first sealing surface substantially fixed with respect to said piston and a second sealing surface substantially fixed with respect to said shaft, said first sealing surface and said second sealing surface having a first position wherein said first sealing surface and said second sealing surface cooperate to prevent the flow of liquid between said piston and said shaft and a second position wherein said first sealing

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surface and said second sealing surface permit the flow of liquid between said piston and said shaft.